

CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application:

1. - 35. (CANCELED)

36. (CURRENTLY AMENDED) A method for providing location-based responses to a user utilizing a wireless communications device, the method comprising the steps of:

the user storing ~~at least one~~ a plurality of target locations in a memory of the wireless communications device;

the user storing ~~at least one~~ a plurality of target ranges in the memory, the wherein each target range location corresponds ~~corresponding to the at least one~~ to a single target range to define locations and defining a surrounding target area that includes the ~~at least one~~ respective target location;

the user storing a specific activity associated with each of the ~~at least one~~ plurality of target locations in the memory before entering the any of the plurality of target ranges;

the user storing of content related to the specific activity associated with each of the ~~at least one~~ plurality of target locations in the memory before entering the any of the plurality of target ranges;

determining a present location utilizing a global positioning system (GPS) of the wireless communications device;

determining by iteratively processing the present location and the plurality of target areas that whether the present location is within the target area of the ~~at least one~~ two or more of the plurality of target locations utilizing a processor of the wireless communications device, wherein the maximum number of iterations is equal to the aggregate number of target locations having a target range; and

outputting the content related to the specific activity associated with each of the ~~at least one~~ two or more target locations on a user interface of the wireless communications device if when the present location is within the target area of each of the two or more target locations without communicating with the target location.

37. (PREVIOUSLY PRESENTED) The method of claim 36, wherein the user interface is a display, and wherein the indication is a text display of the specific activity.

38. (CURRENTLY AMENDED) A personal reminder system, comprising: a wireless communications device, comprising:

a memory for storing location information comprising:

a plurality of physical locations,

a specific task associated with each physical location of the plurality of physical locations;

a user input interface for updating the information of the plurality of physical locations information;

a wireless communications circuit for receiving current location at a pre-determined interval of time;

a processor for determining by an iterative process based on the number of physical locations comparing that the current location received at the pre-determined interval of time is within a predetermined range of two or more of to the plurality of physical locations, wherein the maximum number of iterations is equal to the aggregate number of the plurality of physical locations; and

at least one output interface for outputting content related to the each respective specific task when the current location of the wireless communications device is ~~proximate to~~ within the predetermined range of two or more of the plurality of ~~one of the~~ physical locations ~~of the plurality of physical locations~~ without communicating with one of the physical locations wherein the specific task and the content related to the specific task is stored in the memory before the wireless communications device is ~~proximate to~~ within the predetermined range of ~~the one of the~~ plurality of physical locations.

39. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein a proximity to one of the physical location is defined by a pre-determined area surrounding the physical location.

40. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein the location information further comprises at least one target range corresponding to at least one physical location of the plurality of physical locations; and wherein the processor utilizes the at least one target range to determine if the current location is proximate to one of the physical locations.

41. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein the at least one output interface is a speaker of the wireless communications device and the indication is an audio conveyance the specific task.

42. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein the at least one output interface is a display of the wireless communications device and the indication is a visual conveying the specific task.

43. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein the wireless communications circuit comprises a Global Positioning System (GPS) receiver for directly receiving the current location into the wireless communications device from a GPS.

44. (PREVIOUSLY PRESENTED) The personal reminder system of claim 38, wherein the current location is received through the wireless communications circuit from a wireless communications network.

45. (CURRENTLY AMENDED) A wireless device for communicating with a wireless communications network, the wireless device comprising:
an antenna circuit for wireless communications with the wireless communications network and for receiving location information from a positioning system;
a memory for storing a plurality "n" of target locations, each target location of the plurality of n target locations having a range area centered on the each target location, and a target message for the each target location, the target message for the each target location comprising a specific activity associated with the each target location, the

target message being entered into the memory before the wireless device is proximate to the range area;

a user input device for inputting the each target location and for inputting the each target message before the wireless device is within the range area;

at least one output device; and

a controller connected to the antenna circuit and the memory, the controller for periodically requesting the location information from the positioning system, for ~~comparing~~ determining by an iterative process based on the aggregate number of target locations whether the received location information is within the each target location a range area of two or more of the plurality of "n" target locations, and for outputting the target message on the at least one output device without communicating with any one of the plurality of target locations if the received location information indicates that the wireless device is within the range area of two or more at least one target location of the plurality of "n" target locations, wherein the maximum number of iterations is "n".

46. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the target message is a display message, and wherein the at least one output device is a display for displaying the display message.

47. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the wireless device further comprises a global positioning system (GPS) receiver, and wherein the positioning system is a global positioning system (GPS).

48. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the wireless communications network comprises the positioning system.

49. (PREVIOUSLY PRESENTED) The wireless device of claim 48, wherein the wireless communications network is a cellular communications network.

50. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the wireless device is a wireless handheld communications device, a laptop computer with a wireless modem, a pager or a personal digital assistant (PDA).

51. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the range area is described as a two-dimensional shape, and wherein the each target location is located inside the two-dimensional shape.

52. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the range area is described as a three-dimensional space, and wherein the each target location is located inside the three-dimensional space.

53. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the target range area is time sensitive.

54. (PREVIOUSLY PRESENTED) The wireless device of claim 45, wherein the each target message is an audio message.

55. (PREVIOUSLY PRESENTED) The wireless device of claim 54, wherein the at least one output device is a speaker for sounding the audio message.

56. (CURRENTLY AMENDED) A method for providing location-based information on a wireless communications device, the method comprising the steps of:
storing a plurality of target locations in a memory of the wireless communications device;
storing ~~one~~ two or more target ranges for a first target location in the memory;
calculating a first target area based on a first target location and a first target range;
storing the first target area in the memory;
associating the first target area with the first target location;
storing a first specific activity associated with the first target location in the memory, wherein the first specific activity is stored before entering the first target area;
storing content related to the first specific activity associated with the first target location in the memory, wherein the content related to the first specific activity is stored before entering the first target area;

calculating a second target area based on the first target location and a second target range;

storing the second target area in the memory;

associating the second target area with the first target location;

storing a second specific activity associated with the first target location in the memory, wherein the second specific activity is stored before entering the second target area;

storing content related to the second specific activity associated with the first target location in the memory, wherein the content related to the second specific activity is stored before entering the second target area;

determining a present location of the wireless communications device;

determining whether ~~that~~ the present location is within the first target area and the second target area utilizing a processor of the wireless communications device; and

providing the content related to the first specific activity and the second specific activity associated with the first target location of the wireless communications device if when the present location is within the first target area and the second target area without communicating with the target location.

57. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity is a visual display on a user interface.

58. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity causes a physical vibration of the wireless communications device.

59. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity causes an audible tone.

60. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity is a visual display on a user interface and causes a physical vibration of the wireless communications device.

61. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity causes an audible tone and a physical vibration of the wireless communications device.

62. (PREVIOUSLY PRESENTED) The method of claim 56, wherein the content related to the specific activity is a visual display on a user interface and causes an audible tone.

63. (CURRENTLY AMENDED) A method for providing location-based information on a wireless communications device, the method comprising the steps of:

- receiving input to the wireless communications device indicating a new target location;
- determining whether a current location for the wireless communications device is the new target location;
- storing the current location as the new target location, if the current location is the new target location;
- prompting a user to enter the new target location, if the current location is not the new target location;
- receiving a geographic and a temporal range area associated with the new target location;
- prompting a user to enter a target response associated with the target location;
- storing the target response and the geographic and temporal range areas in a memory of the wireless communications device along with the target location;
- identifying multiple "n" target locations and storing the target response, the geographic and temporal range areas in a memory of the wireless communications device for the "n" target locations;
- determining a present location of the wireless communications device;
- determining by an iterative process based on the aggregate number of target locations whether the present location is within the geographic range area of one of the "n" target locations, wherein the maximum number of iterations is "n";
- determining by an iterative process whether a present time is within the temporal range area of one of the "n" target locations; and

providing the target message if the present location is within the geographic range area and the present time is within the temporal range area of one of the "n" target locations without communicating with the target location.